

Integer Rules

+ and -ve number values

Multiplication and Division with Integers

$$(+3) \times (+6) = +18 \quad \text{Same sign} \Rightarrow +ve$$

$$-2 \times -4 = +8 \quad \text{different signs} \Rightarrow -ve$$

$$(-6) \times (+3) = -18$$

$$\frac{+18}{-2} = -9$$

$$(-14) \div (-7) = +2$$

$$(-4) \times (-2) \times (-3) = (-24)$$

Feb 3-11:24 AM

Addition

$$(-4) + (-2) = -6$$

$$(+3) + (+4) = +7$$

add terms, keep sign

$$(-4) + (+2) = (-2)$$

$$(+3) + (-2) = (+1)$$

subtract terms, keep sign of the larger

$$(-2) + (+6) = (+4)$$

Jan 31-8:29 AM

Subtraction

$$(-2) - (+6) = -8$$

$$(-2) - (-6) = +4$$

$$(-6) - (+2) = -8$$

add the opposite sign of the second term

Jan 31-8:29 AM

$$i) (-6) + (+2) = -4$$

$$ii) (-4) + (+2) = -2$$

$$iii) (-3) \times (-4) = +12$$

$$iv) \frac{(+6)}{-3} = -2 \quad v) (+2) + (-3) = -1$$

$$vi) (-6) + (+4) = -2$$

$$vii) (-6) - (+3) = -9$$

Feb 3-12:29 PM

Recalling the Integer Rules

Multiplying and Dividing integers: If signs are the same, the answer is positive.
If signs are different, the answer is negative.

Adding integers: If the signs are the same, the answer has the same sign.
If the signs are different, the answer has the sign of the larger number.

Subtracting integers: Add the opposite of the subtracted number.
Then follow the adding rules.

Feb 9-8:23 PM

Homework

Integer Worksheet 1-7 odds (a,c,e, ...)

Feb 3-12:43 PM